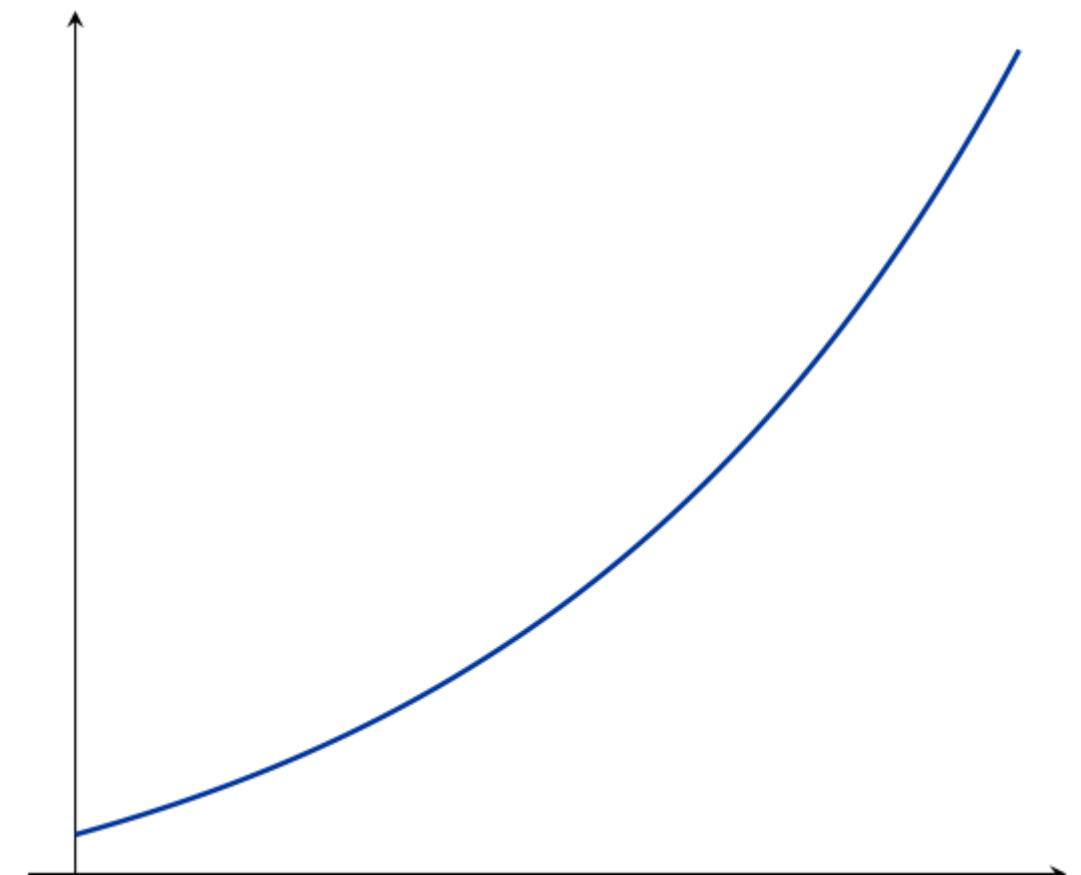


concave up if  $f'(x)$  is increasing



concave down if  $f'(x)$  is decreasing

